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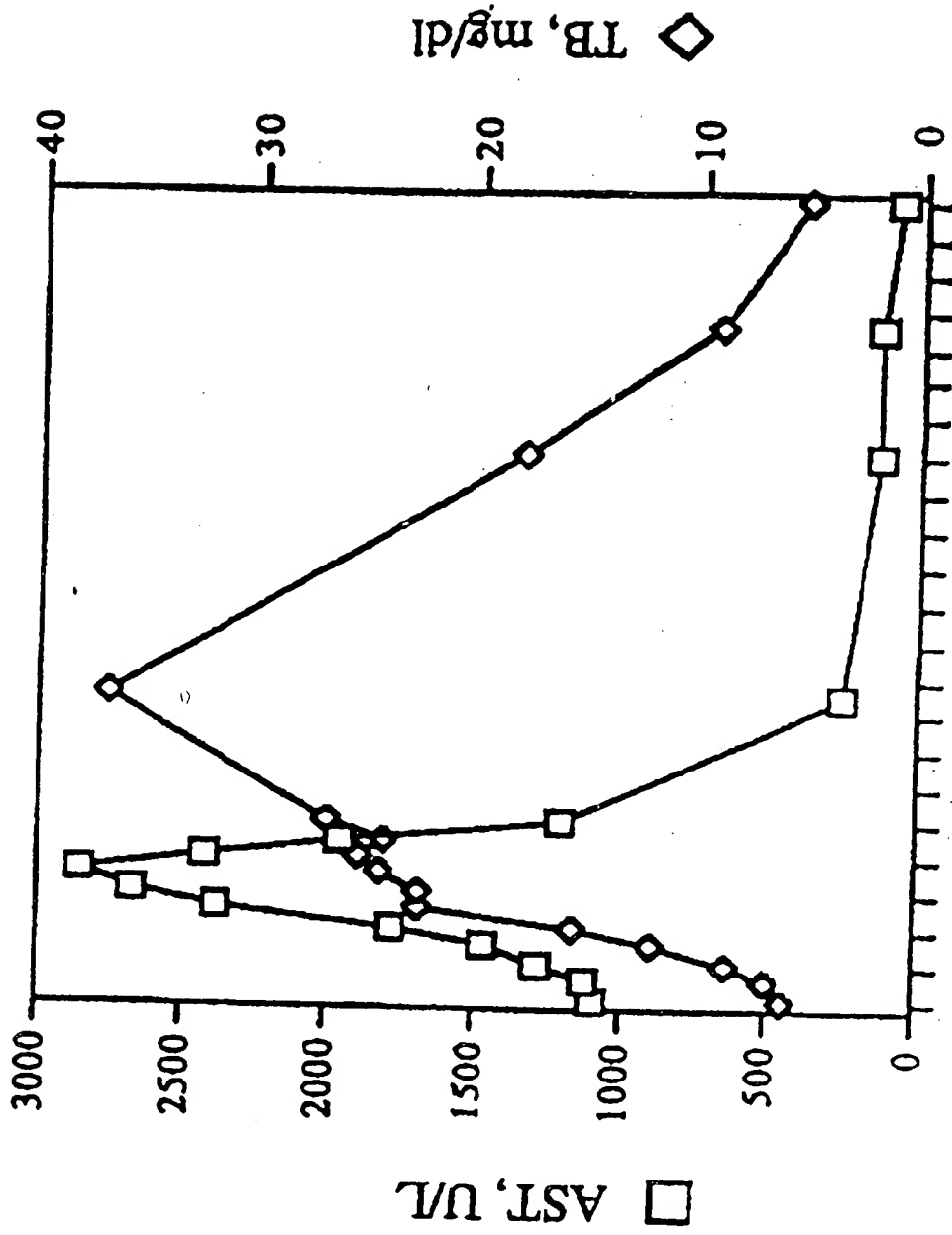


Figure 2

HEV US-1 Genome Extension

HEV US-1 Genome Extension

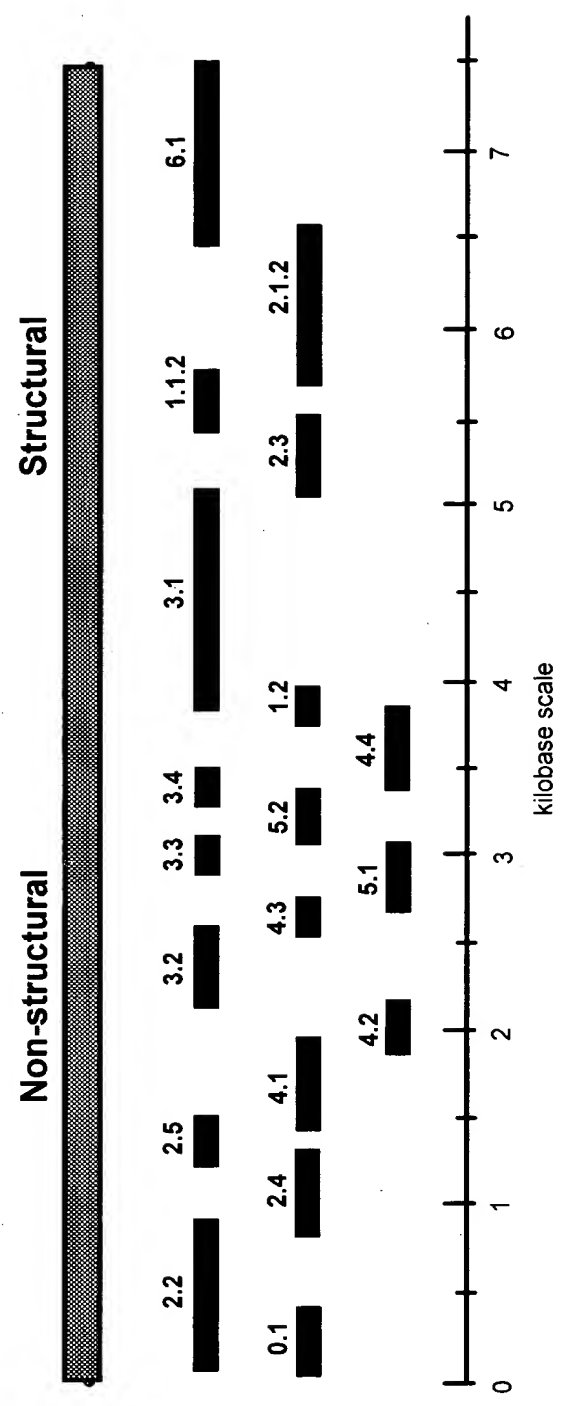


Figure 3

Extension of HEV US-2

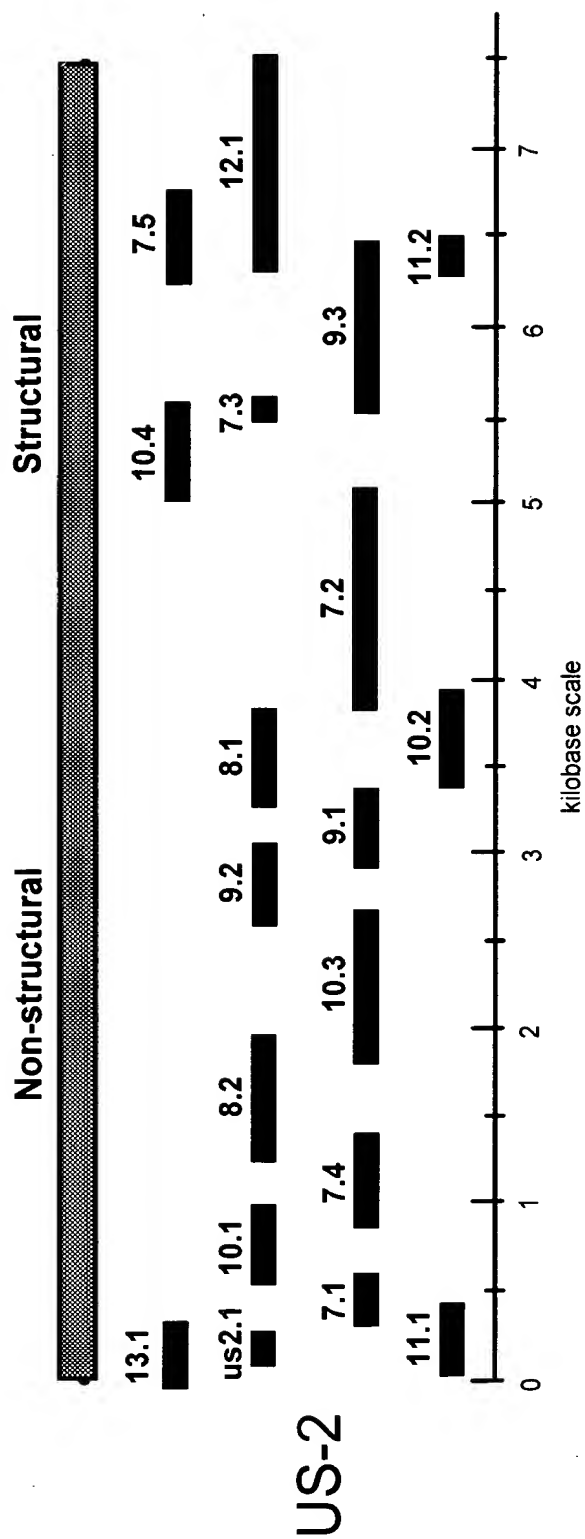


Figure 4

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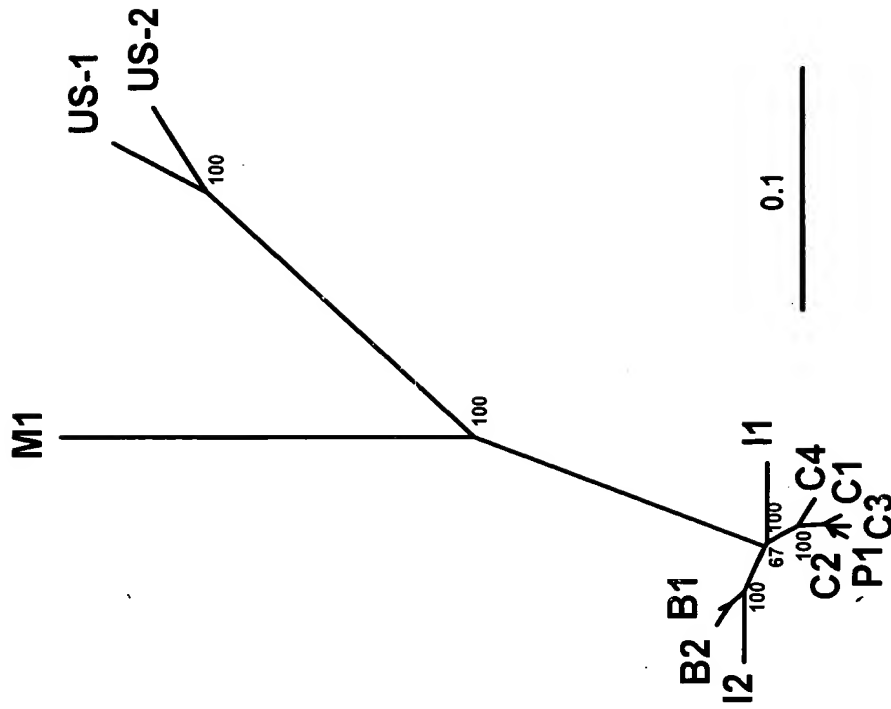


Figure 5

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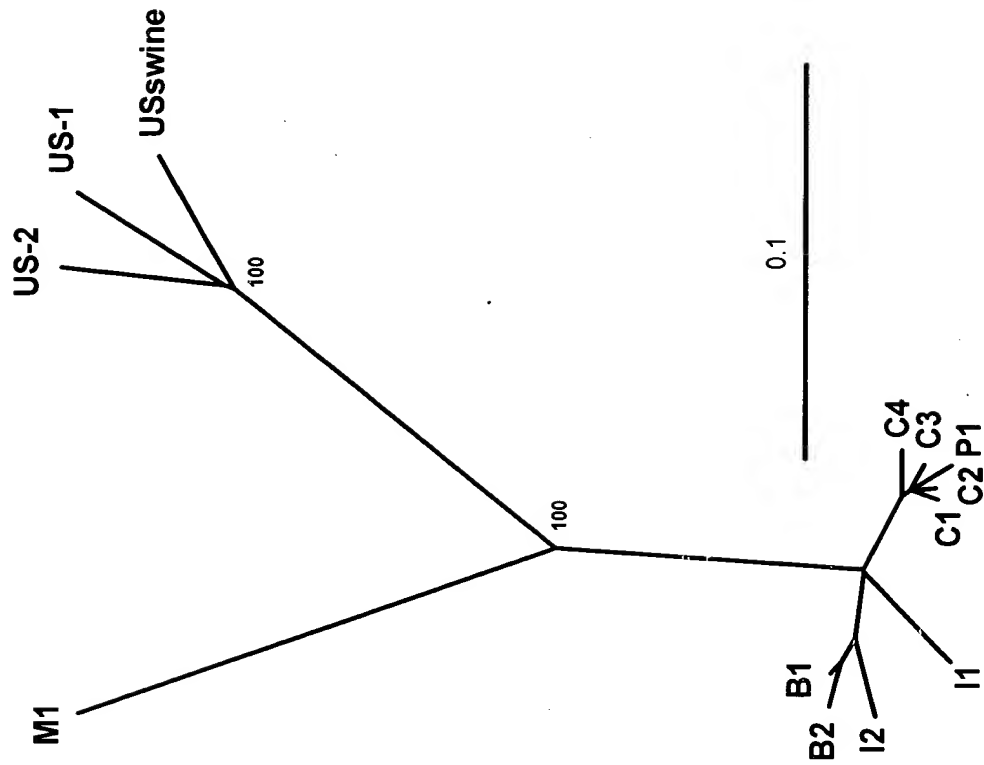


Figure 6

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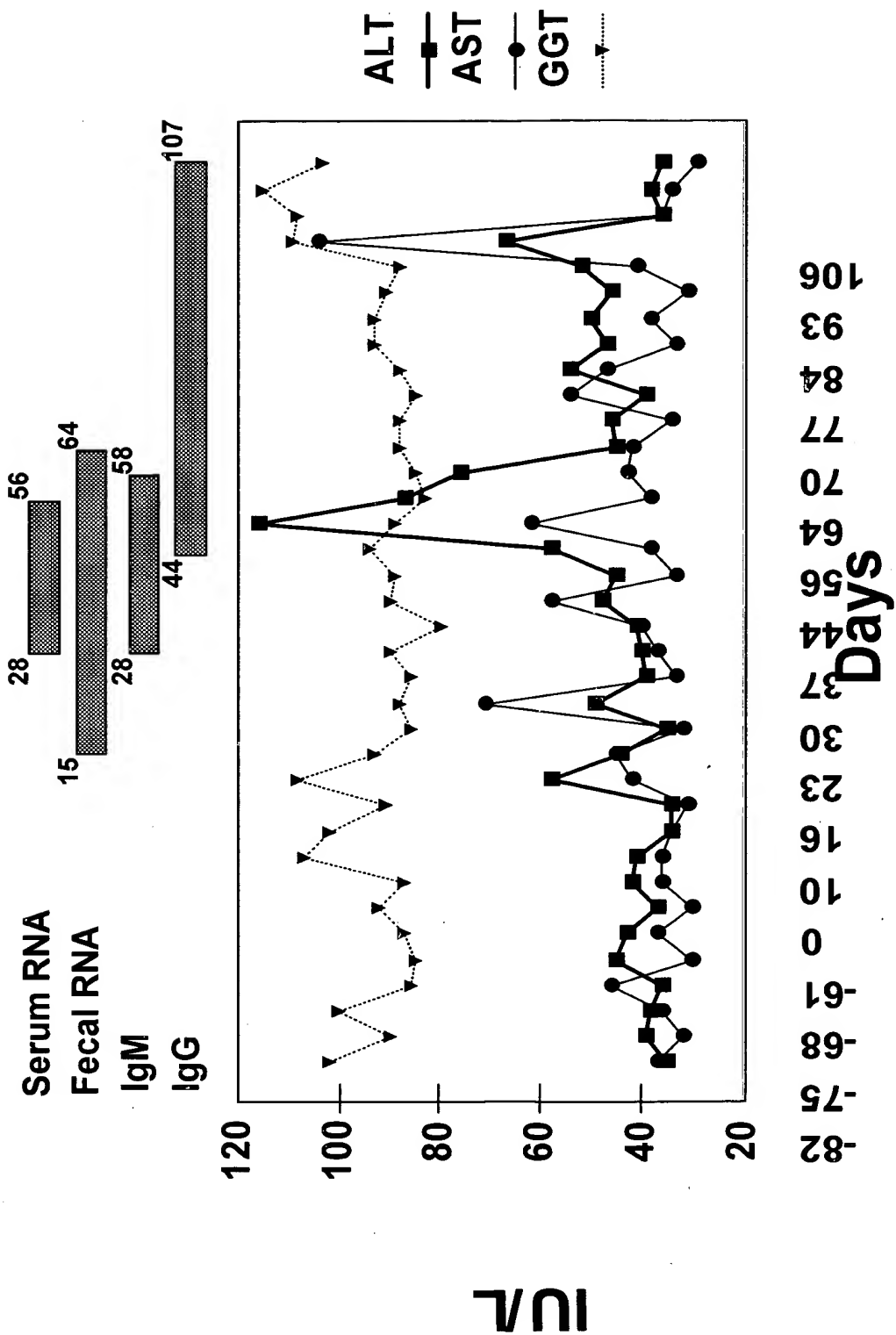


Figure 7

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Extension of Z12

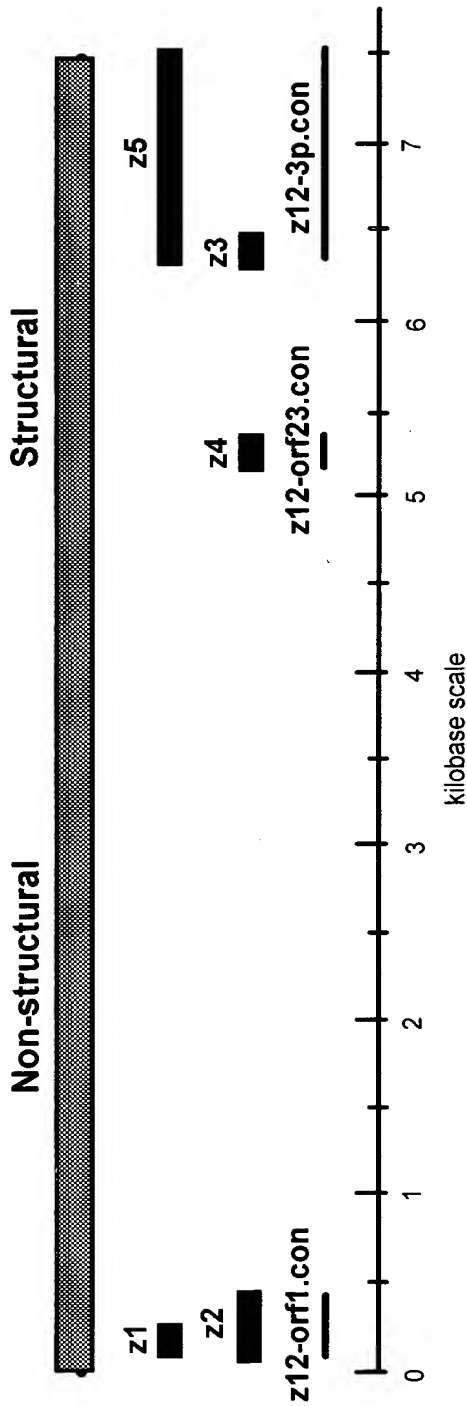


Figure 8

FIGURE 9A

5p.pile{hpesvp}	51	GGCTCCTGGC	ATCACTACTG	CTATTGAGCA	GGTGCTCTTA	GCAGCGGCCA	100
5p.pile{hpeuigh}		GGCTCCTGGC	ATCACTACTG	CTATTGAGCA	GGTGCTCTTA	GCAGCGGCCA	
5p.pile{hpea}		GGCTCCTGGC	ATCACTACTG	CTATTGAGCA	GGTGCTCTTA	GCAGCGGCCA	
5p.pile{840455p}		~~~~CCTGGC	ATTACTACTG	CCATTGAGCA	GGTGCTCTTG	GCTGCGGCCA	
5p.pile{hpenssp}		GGCTCCTGGC	ATCACTACTG	CTATTGAGCA	AGCAGCTCTA	GCAGCGGCCA	
Consensus		---CCTGGC	AT-CTACTG	C-ATTGAGCA	-GC-GCTCT-	GC-GCGGCCA	
5p.pile{hpesvp}	101	ACTCTGCCCT	GGCGAATGCT	GTGGTAGTTA	GGCCTTTTCT	CTCTCACCAG	150
5p.pile{hpeuigh}		ATTCTGCCCT	TGCGAATGCT	GTGGTAGTTA	GGCCTTTTCT	CTCTCACCAG	
5p.pile{hpea}		ACTCTGCCCT	TGCGAATGCT	GTGGTAGTTA	GGCCTTTTCT	CTCTCACCAG	
5p.pile{840455p}		ATTCTGCCCT	GGCGAATGCT	GTGGTGGTTC	GGCCGTTTTT	ATCTCGCGTG	
5p.pile{hpenssp}		ACTCCGCCCT	TGCGAATGCT	GTGGTGGTCC	GGCCTTTTCT	TTCCCATCAG	
Consensus		A-TC-GCC-T	-GGCGAATGCT	GTGGT-GT--	GGCC-TT--T	-TC-C---G	
5p.pile{hpesvp}	151	CAGATTGAGA	TCCTCATTAA	CCTAATGCAA	CCTCGCCAGC	TTGTTTTCCG	200
5p.pile{hpeuigh}		CAGATTGAGA	TCCTTATTAA	CCTAATGCAA	CCTCGCCAGC	TTGTTTTCCG	
5p.pile{hpea}		CAGATTGAGA	TCCTTATTAA	CCTAATGCAA	CCTCGCCAGC	TTGTTTTCCG	
5p.pile{840455p}		CAAAACCGAGA	TTCTTATTAA	TTTGATGCAA	CCCCGGCAGT	TGGTTTTCCG	
5p.pile{hpenssp}		CAGGTTGAGA	TCCTTATAAA	TCTCATGCAA	CCTCGGCAGC	TGGTGTTCG	
Consensus		CA----GAGA	T-CT-AT-AA	--T-ATGCAA	CC-CG-CAG-	T-GT-TT-CG	

FIGURE 9B

5p.pile{hpesvp}	201	CCCCGAGGTT	TTCTGGAATC	ATCCCATCCA	GGGTGTCATC	CATAACGAGC	250
5p.pile{hpeuigh}		CCCCGAGGTT	TTCTGGAACC	ACCCCATCCA	GGGTGTCATC	CATAATGAGC	
5p.pile{hpea}		CCCCGAGGTT	TTCTGGAACC	ATCCCATCCA	GGGTGTTATC	CATAATGAGC	
5p.pile{840455p}		CCCTGAGGTA	CTTTGGAATC	ACCCTATCCA	GGGGTTATA	CATAATGAAT	
5p.pile{hpenssp}		TCCTGAGGTT	TTTGTGGAATC	ACCCGATTCA	ACGTGTTATA	CATAATGAGC	
Consensus		-CC-GAGGT-	-T-TGGAA-C	A-CC-AT-CA	-CG-GT-AT-	CATAA-GA--	
5p.pile{hpesvp}	251	TGGAGCTTTA	CTGCCGCGCC	CGCTCCGGCC	GCTGTCTTGA	AATTGGCGCC	300
5p.pile{hpeuigh}		TGGAGCTTTA	CTGTCCGCGC	CGCTCCGGCC	GCTGCCCTTGA	AATTGGTGCC	
5p.pile{hpea}		TGGAGCTTTA	CTGTCCGCGC	CGCTCCGGCC	GCTGCCCTCGA	AATTGGTGCC	
5p.pile{840455p}		TGAACAGTA	CTGCCGGGCT	CGGGCTGGTC	GTTGCTTGA	GTTGGAGCT	
5p.pile{hpenssp}		TTGAGCAGTA	TTGCCCGTGCT	CGCTCGGGTC	GCTGCCCTTGA	GATTGGAGCC	
Consensus		T-GA-C--TA	-TG-CG-GC-	CG--C-GG-C	G-TG--T-GA	--TTGG-GC-	
5p.pile{hpesvp}	301	CATCCCCGCT	CAATAAATGA	TAATCCTAAT	GTGGTCCACC	GCTGCTTCCT	350
5p.pile{hpeuigh}		CACCCCTCGCT	CAATAAACGA	CAATCCTAAT	GTGGTCCACC	GCTGCTTCCT	
5p.pile{hpea}		CACCCCCGCT	CAATAAATGA	CAATCCTAAT	GTGGTCCACC	GTTGCTTCCT	
5p.pile{840455p}		CACCCAAGAT	CCATTAATGA	CAACCCCAAC	GTTCTGCATC	GTTGTTTCCT	
5p.pile{hpenssp}		CACCCACGCT	CCATTAATGA	TAATCCTAAT	GTCTCTCCATC	GCTGCTTTCT	
Consensus		CA-CC--G-T	C-AT-AA-GA	-AA-CC-AA-	GT--T-CA-C	G-TG-TT-CT	

FIGURE 9C

351	5p.pile{hpesvp}	CCGCCCTGTT	GGCGTGATG	TTCAGCGCTG	GTATACTGCT	CCCACTCGCG	400
	5p.pile{hpeuigh}	CCGCCCTGCC	GGCGTGATG	TTCAGCGTTG	GTATACTGCT	CCTACCCGCG	
	5p.pile{hpea}	CCGTCCTGCC	GGCGTGATG	TTCAGCGTTG	GTATACTGCC	CCTACCCGCG	
	5p.pile{840455p}	TAGACCGGTT	GGCCGAGATG	TTCAGCGCTG	GTACTCTGCC	CCCACCCGCG	
	5p.pile{hpenssp}	CCACCCCGTC	GGCCGGGATG	TTCAGCGCTG	GTACACAGCC	CCGACTAGGG	
	Consensus	-----CC-G--	GG-CG-GATG	TTCAGCG-TG	GTA--C-GC-	CC-AC--G-G	
401	5p.pile{hpesvp}	GGCCGGCTGC	TAATTGCCGG	CGTTCGCCGC	TGCGCGGGCT	TCCCGCTGCT	450
	5p.pile{hpeuigh}	GGCCGGCTGC	TAATTGCCGG	GGTTCGCCAC	TGCGCGGGCT	CCCCGCTGCT	
	5p.pile{hpea}	GGCCGGCTGC	TAATTGCCGG	CGTTCGCCGC	TGCGCGGGCT	CCCCGCTGCT	
	5p.pile{840455p}	GCCCTGcGGC	TAATTGCCGC	cGcTcGCGT	TGCGTGGTCT	CCCCCCCGCT	
	5p.pile{hpenssp}	GACCTGCGGC	GAACTGTCCG	CGCTCGGCAC	TTCGTGGTCT	GCCACCAAGCC	
	Consensus	G-CC-GC-GC	-AA-TG-CG-	-G-TC-GC--	T-CG-GG-CT	-CC--C-GC-	
451	5p.pile{hpesvp}	GACCGCACTT	ACTGCCTCGA	CGGGTTTTCT	GGCTGTAAC	TTCCCGCCGA	500
	5p.pile{hpeuigh}	GACCGCACTT	ACTGCTTCGA	CGGGTTTTCT	GGCTGTAAC	TTCCCGCCGA	
	5p.pile{hpea}	GACCGCACTT	ACTGCTTCGA	CGGGTTTTCT	GGCTGTAAC	TTCCCGCCGA	
	5p.pile{840455p}	GACCGCACTT	ACTGCTTTGA	TGGATTCTCC	CGTTGTGCTT	TTGCTGCAGA	
	5p.pile{hpenssp}	GACCGCACTT	ACTGTTTTGA	TGGCTTTGCC	GGCTGCCGTT	TTGCCGCCGA	
	Consensus	GACCGCACTT	ACTG--T-GA	-GG-TT--C-	-G-TG-----T	TT-C-GC-GA	

FIGURE 9D

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1451      3p.pile{hpea}      TGAAGCCAGT GCTTGACCTG ACAAATTCAA TTCTGTGTCG      1500
      3p.pile{hpeuigh}    TGAAGCCAGT GCTCGACTTG ACAAATTCAA TCCTGTGTCG
      3p.pile{hpesvp}     TAAAACCAGT GCTCGACTTG ACAAATTCAA TCTTGTGTCG
      3p.pile{hpenssp}    TTAAGCCCTAT ACTTGACCTT ACACACTCAA TTATGCACCG
      3p.pile{840453p}    TTAAACCTGT ACTTGATCTC ACAAATTCCA TCATACAGCG
      Consensus          T-AA-CC--T -CT-GA--T- ACA-A-TC-A T--T-CC-
GGTGAATGA ATAACATGTC TTTTGCTGCG CCCATGGGTT CGCGACCATG      1550
GGTGAATGA ATAACATGTC TTTTGCTGCG CCCATGGGTT GCGGACCATG
GGTGAATGA ATAACATGTC TTTTGCTGCG CCCATGGGTT CGCGACCATG
GTCTGAATGA ATAACATGTG GTTTGCTGCG CCCATGGGTT CGCCACCATG
GGTGAATGA ATAACATGTC TTTTGCTGCG CCCATGGGTT C...ACCATG
G--GAATGA ATAACATGTC TTTTGCTGCG CCCATGGGTT -TTTGC--CG CCCATGGG-T ----ACCATG

1551      3p.pile{hpea}      CTATTTTGCT GTTGCTCCTC ATGTTTCTGC CTATGCTGCC      1600
      3p.pile{hpeuigh}    CTATTTTGCT GTTGCTCCTC ATGTTTCTGC CTATGCTGCC
      3p.pile{hpesvp}     CTATTTTGCT GTTGCTCCTC ATGTTTCTGC CTATGCTGCC
      3p.pile{hpenssp}    CTCTTTTGCT GTTGTTCCCTC TTGTTTCTGC CTATGTTGCC
      3p.pile{840453p}    CTGTTCTGTT GTTGTTCCCTC ATGTTTCTGC CTATGCTGCC
      Consensus          CT-TT-TG-T G-TG-TCCCTC -TGTTT-TGC CTAT--TGCC

```

FIGURE 9E

3p.pile{hpea}	1601	CGCGCCACCG	CCCGGTCAGC	CGTCTGGCCG	CCGTCGTGGG	CGCGGCAGCG	1650
3p.pile{hpeuigh}		CGCGCCACCG	CCCGGTCAGC	CGTCTGGCCG	CCGTCGTGGG	CGCGGCAGCG	
3p.pile{hpesvp}		CGCGCCACCG	CCCGGTCAGC	CGTCTGGCCG	CCGTCGTGGG	CGCGGCAGCG	
3p.pile{hpenssp}		CGCGCCACCG	ACCGGTCAGC	CGTCTGGCCG	CCGTCGTGGG	CGCGGCAGCG	
3p.pile{840453p}		CGCGCCACCG	GCCGGTCAGC	CGTCTGGCCG	TCGCCCGTGGG	CGCGGCAGCG	
Consensus		CGCGCCACCG	-CCGGTCAGC	CGTCTGGCCG	-CG-CGTGGG	CGCGGCAGCG	
3p.pile{hpea}	1651	GCGGTTCCCG	CGGTGGTTTC	TGGGTGACC	GGTTGATTC	TCAGCCCTTC	1700
3p.pile{hpeuigh}		GCGGTTCCCG	CGGTGGTTTC	TGGGTGACC	GGTTGATTC	TCAGCCCTTC	
3p.pile{hpesvp}		GCGGTTCCCG	CGGTGGTTTC	TGGGTGACC	GGTTGATTC	TCAGCCCTTC	
3p.pile{hpenssp}		GCGGTACCGG	CGGTGGTTTC	TGGGTGACC	GGTTGATTC	TCAGCCCTTC	
3p.pile{840453p}		GCGGTGCCCG	CGGTGGTTTC	TGGAGTGACA	GGTTGATTC	TCAGCCCTTC	
Consensus		GCGGT-CCCG	CGGTGGTTTC	TGG-GTGAC-	GGTTGATTC-TCAGCCCTTC		
3p.pile{hpea}	1701	GCAATCCCCCT	ATATTCATCC	AACCAACCCC	TTCGCCCCCG	ATGTCACCGC	1750
3p.pile{hpeuigh}		GCAATCCCCCT	ATATTCATCC	AACCAACCCC	TTCGCCCCCG	ATGTCACCGC	
3p.pile{hpesvp}		GCAATCCCCCT	ATATTCATCC	AACCAACCCC	TTCGCCCCCG	ATGTCACCGC	
3p.pile{hpenssp}		GCAATCCCCCT	ATATTCATCC	AACCAACCCC	TTTGCCCCCAG	ACGTTGCCCG	
3p.pile{840453p}		GCCCTCCCCCT	ATATTCATCC	AACCAACCCC	TTCGCCCCCG	ATGTCGTTTC	
Consensus		GC-TCCCCT	ATATTCATCC	AACCAACCCC	TT-GCC-C-G	A-GT-----C	

FIGURE 9F

3p.pile{hpea}	2651	AGCGCTTACC	CTGTTTAACC	TTGCTGACAC	CCTGCTTGGC	2700	GGTCTACCGA
3p.pile{hpeuigh}		AGCGCTTACC	CTGTTTAACC	TTGCTGACAC	CCTGCTTGGC		GGTCTACCGA
3p.pile{hpesvp}		AGCCCTCACC	CTGTTCAACC	TTGCTGACAC	TCTGCTTGGC		GGCCTGCCGA
3p.pile{hpenssp}		AGCTCTAACA	TACTTTAACC	TTGCTGACAC	GCTCCTCGGC		GGGCTCCCCGA
3p.pile{840453p}		TGCCCTGACT	CTGTTTAATC	TTGCTGATaC	GCTTCTTGGT		GGTTTACCGA
Consensus		-GC-CT-AC-	-T--T-AA-C	TTGCTGA-AC	-CT-CT-GG-		GG--T-CCGA
3p.pile{hpea}	2701	CAGAAATTGAT	TTCGTCGGCT	GGTGGCCAGC	TGTTCTACTC	2750	TCGCCCCCGTC
3p.pile{hpeuigh}		CAGAAATTGAT	TTCGTCGGCT	GGTGGCCAGC	TGTTCTACTC		TCGCCCCCGTC
3p.pile{hpesvp}		CAGAAATTGAT	TTCGTCGGCT	GGTGGCCAGC	TGTTCTACTC		CCGTCCCCGTT
3p.pile{hpenssp}		CAGAAATTAAT	TTCGTCGGCT	GGCGGGCAAC	TGTTTTATTTC		CCGCCCGGTT
3p.pile{840453p}		CAGAAATTGAT	TTCGTCGGCT	GGGGGTCAAC	TGTTTTACTC		CCGCCCTGTT
Consensus		CAGAAATT-AT	TTCGTCGGCT	GG-GG-CA-C	TGTT-TA-TC		-CG-CC-CT-
3p.pile{hpea}	2751	GTCTCAGCCA	ATGGCGAGCC	GACTGTTAAG	CTGTATACAT	2800	CTGTGGAGAA
3p.pile{hpeuigh}		GTCTCAGCCA	ATGGCGAGCC	GACTGTTAAG	CTGTATACAT		CTGTAGAGAA
3p.pile{hpesvp}		GTCTCAGCCA	ATGGCGAGCC	GACTGTTAAG	TTGTATACAT		CTGTAGAGAA
3p.pile{hpenssp}		GTCTCAGCCA	ATGGCGAGCC	AACCGTGAAG	CTCTATACAT		CAGTGGAGAA
3p.pile{840453p}		GTCTCgGCCA	ATGGCGAgCC	AACAGTAaAG	TTATACACAT		CTGTtGAgAA
Consensus		GTCTC-GCCCA	ATGGCGAGCC	-AC-GT-AAG	-T-TA-ACAT		C-GT-GAGAA

FIGURE 9G

3p.pile{hpea}	2801	TGCTCAGCAG	GATAAGGGTA	TTGCAATCCC	GCATGACATC	GACCTCGGGG	2850
3p.pile{hpeuigh}		TGCTCAGCAG	GATAAGGGTA	TTGCAATCCC	GCATGACATC	GACCTCGGGG	
3p.pile{hpesvp}		TGCTCAGCAG	GATAAGGGTA	TTGCAATCCC	GCATGACATT	GACCTCGGAG	
3p.pile{hpenssp}		TGCTCAGCAG	GATAAGGGTG	TTGCTATCCC	CCACGATATC	GATCTTGGTG	
3p.pile{840453p}		TGCgCagCAA	gACAAGGGca	TcacCaTTCC	ACACGACATA	gATTTAGGTG	
Consensus		TGC-CAGCA-	GA-AAGGG--	T--C-AT-CC	-CA-GA-AT-	GA--T-GG-G	
3p.pile{hpea}	2851	AATCCCGTGT	AGTTATTTCAG	GATTATGACA	ACCAACATGA	GCAGGACCGA	2900
3p.pile{hpeuigh}		AATCTCGAGT	TGTTATTTCAG	GATTATGACA	ACCAACATGA	GCAGGACCGG	
3p.pile{hpesvp}		AATCTCGTGT	GGTTATTTCAG	GATTATGATA	ACCAACATGA	ACAAGATCGG	
3p.pile{hpenssp}		ATTGCGGTGT	GGTCATTTCAG	GATTATGACA	ACCAGCATGA	GCAGGATCGG	
3p.pile{840453p}		ACTCCCGTGT	GGTTATCCAG	gattATgATa	ACcagcacga	adaAgaTcgA	
Consensus		A-TC-CG-GT	-GT-AT-CAG	GATTATGA-A	ACCA-CA-GA-	-CA-GA-CG-	

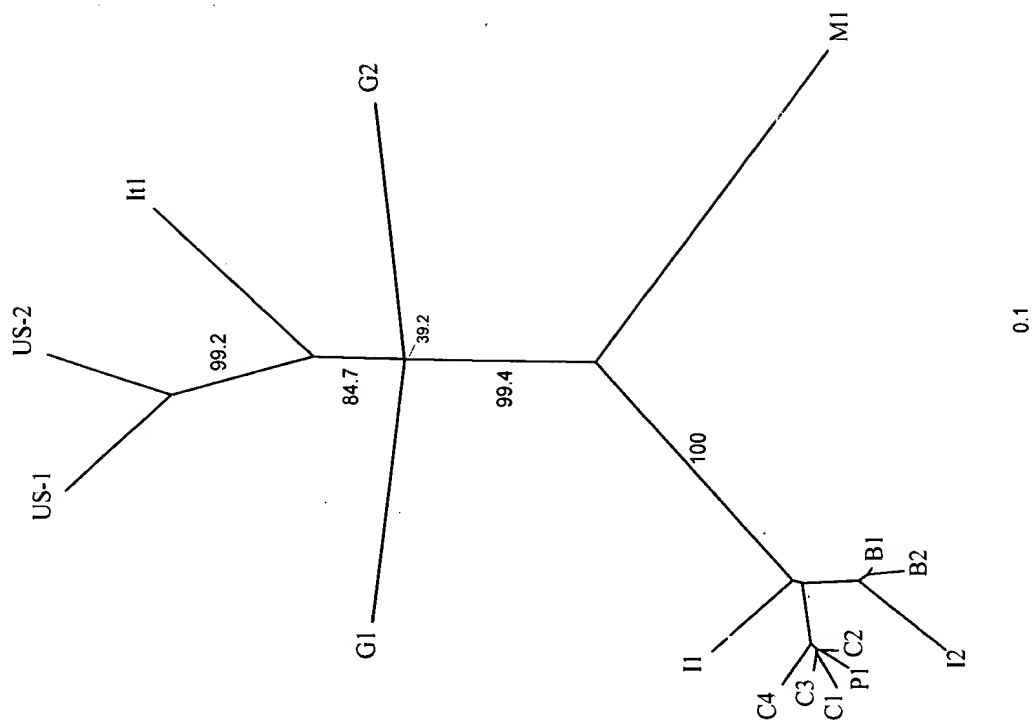


Figure 10

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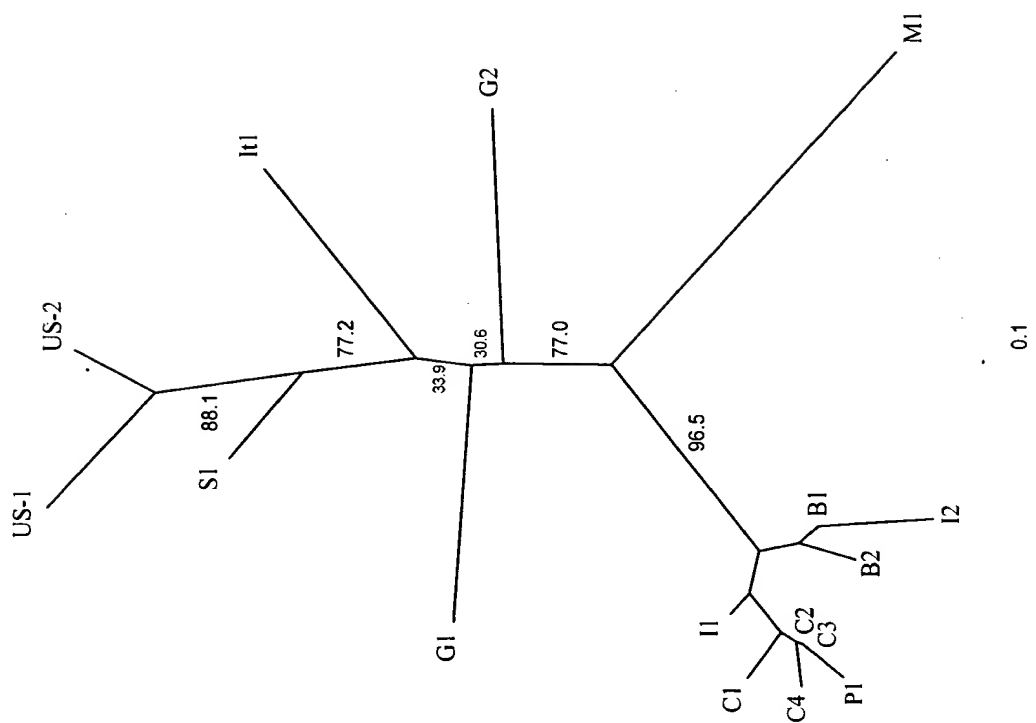


Figure 11

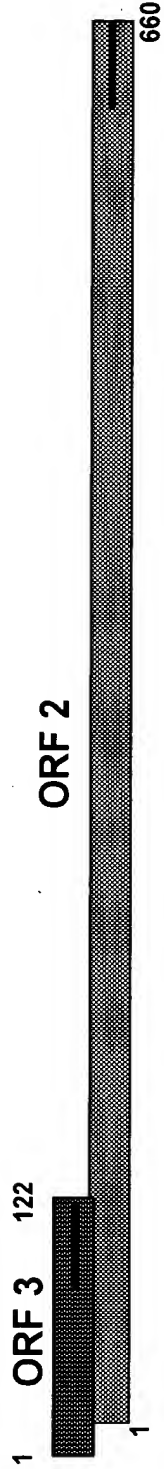


Figure 12A

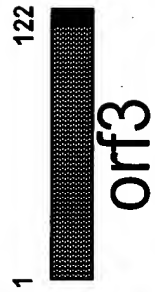


Figure 12B

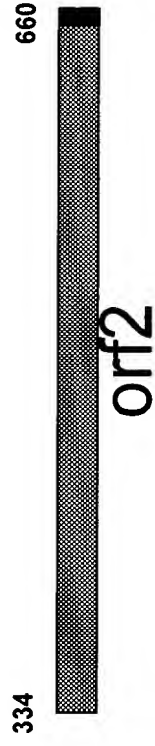


Figure 12C

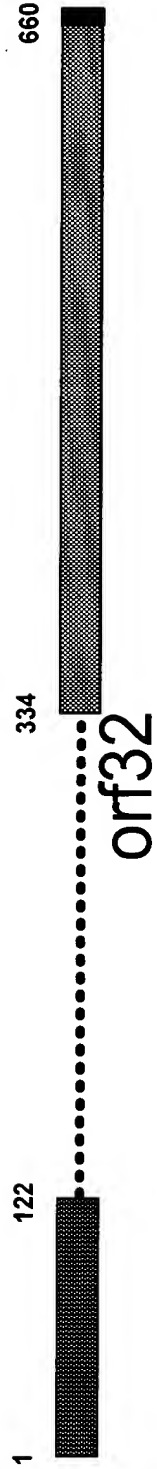


Figure 12D

MACAQUE 13906

HEV US-2 ORF 3 CKS - 29

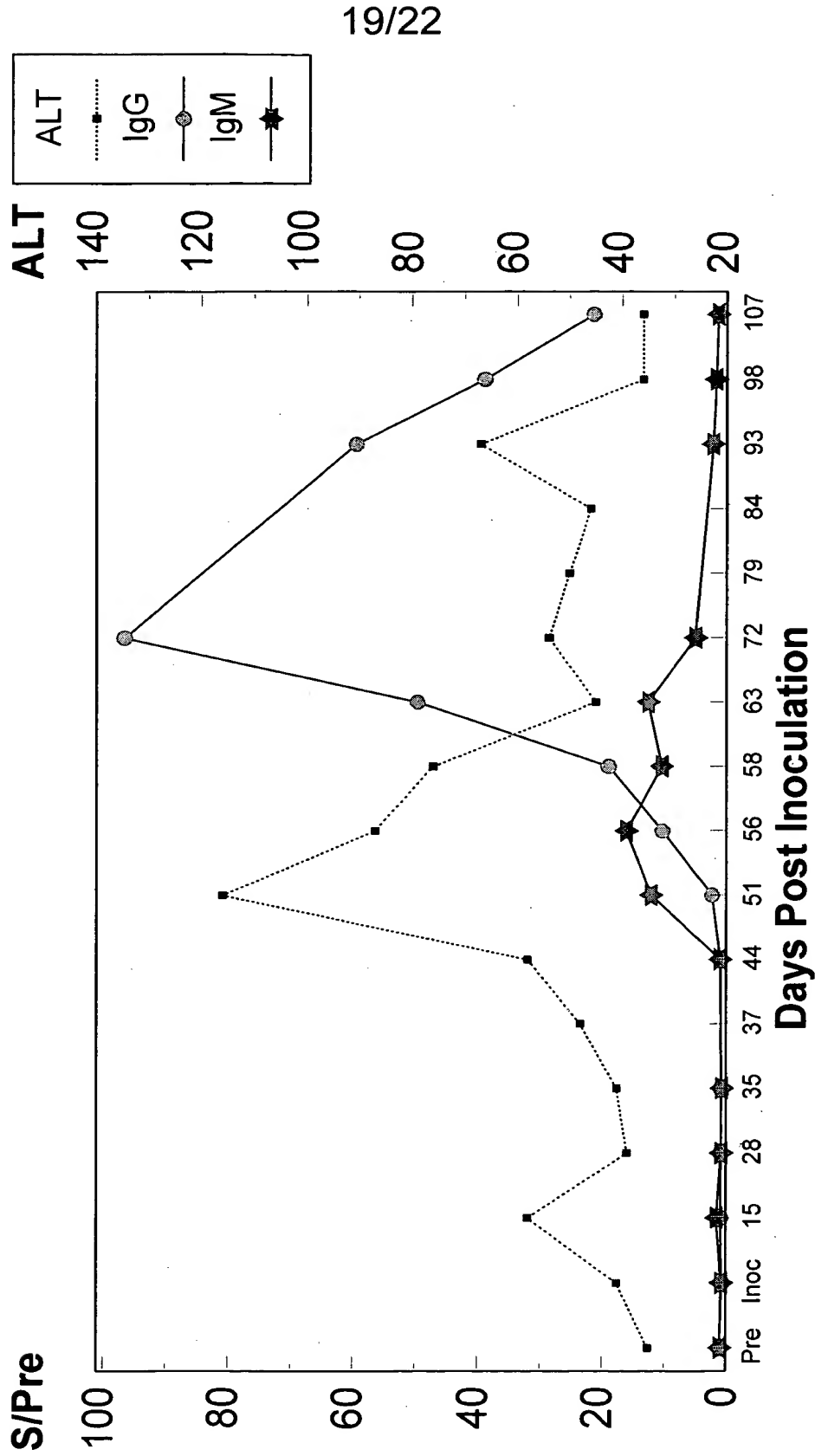


Figure 13

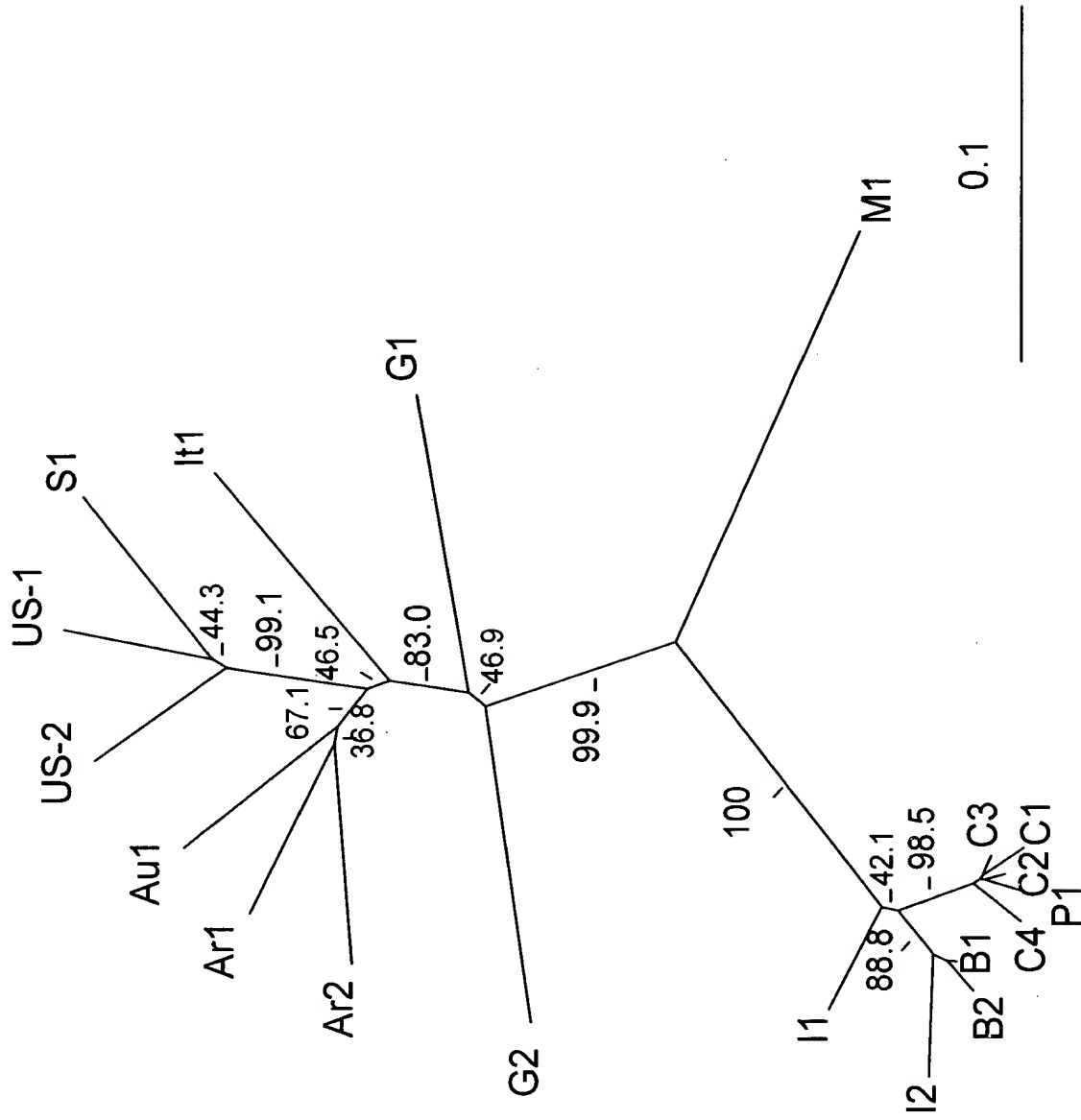


Figure 14

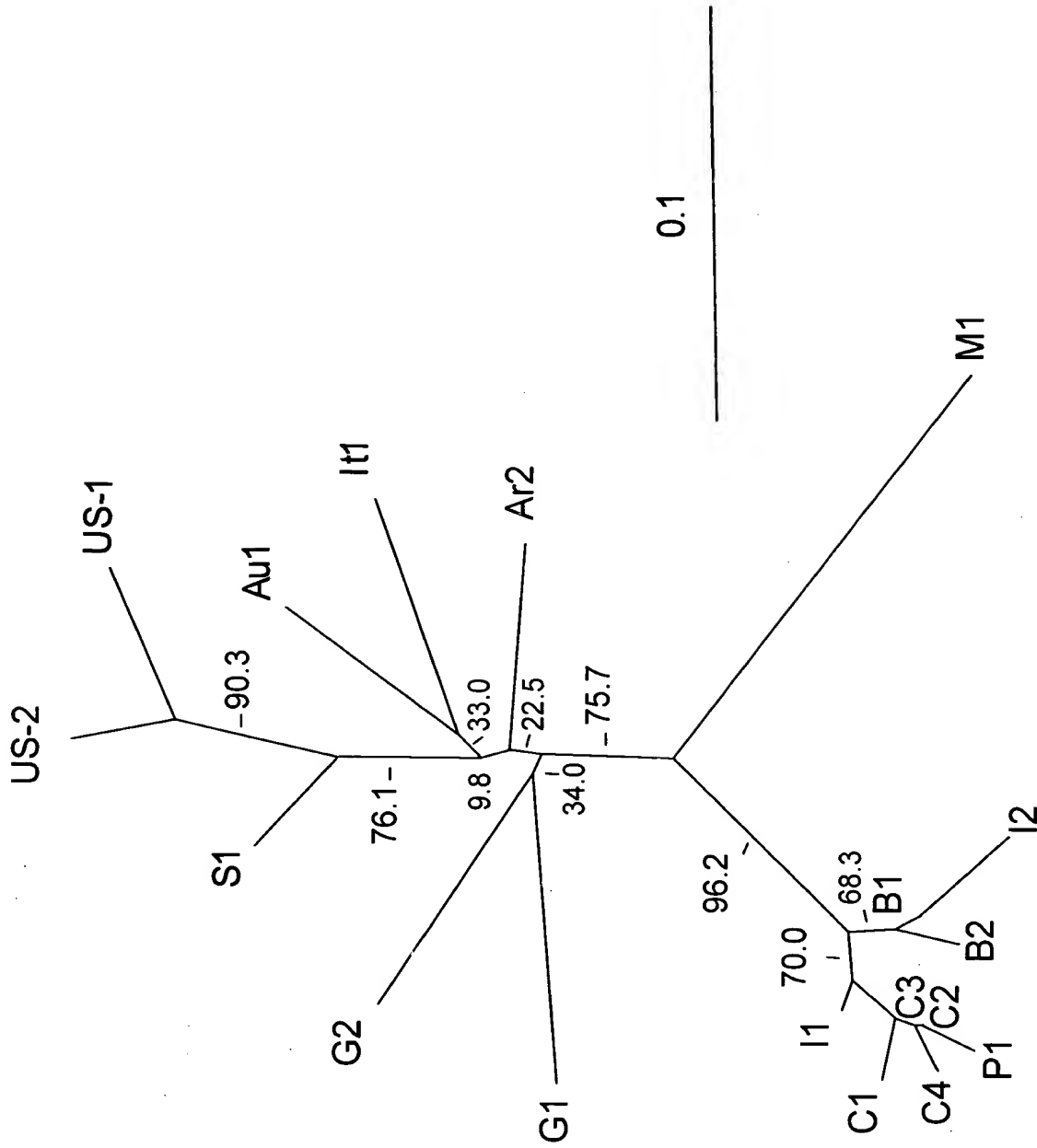


Figure 15

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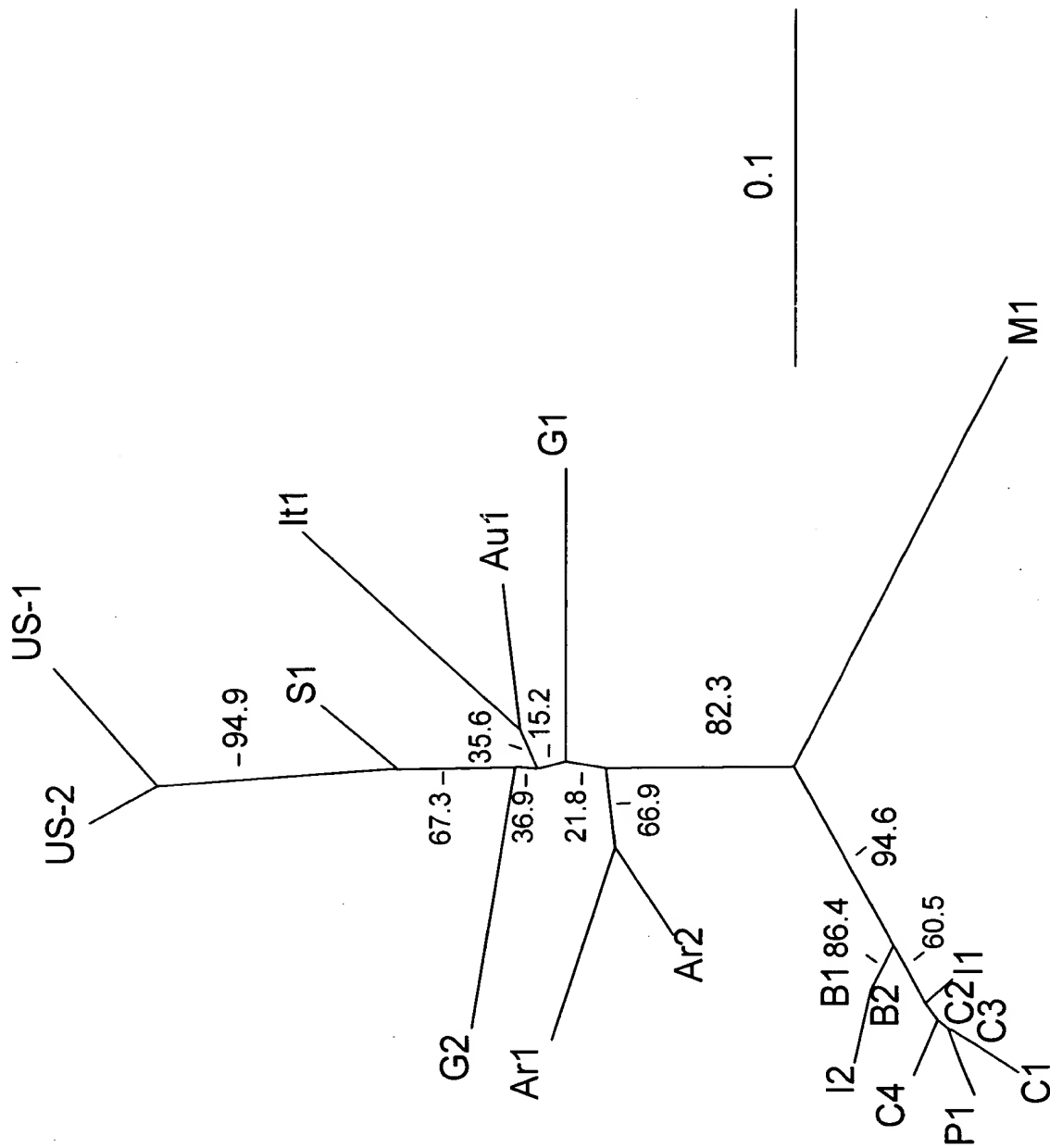


Figure 16